

## PROPOSALS FOR MECHANICAL EXTRACTION FOR HOT FOOD TAKE AWAY AT 1 GARDEN STREET, DARFIELD, BARNSELY

As this is an outline application the nature of the type of food and associated kitchen/preparation/customer areas are not known. Therefore, the full design of the mechanical extraction and associated works are not known

A canopy will be placed within the premises next to the fan to ensure odour can be managed efficiently and effectively within the kitchen. The canopy will extend a little more than the cooking equipment area to ensure maximum odour and fumes are absorbed and directed into the ducting. The canopy will be of stainless steel. Grease filters will be inserted into the cooker hood and will be easily removable so regular cleaning can be carried out to ensure it does not become clogged. Carbon filters will be fitted in the ductwork after the grease filters but before the fan and it will be easily accessible to ensure regular cleaning. The carbon filter will be incorporated of pre filters to ensure no grease enters the carbon filters.

The fan will be placed inside the premises to lower outdoor noise. The property is semi detached, so the fan will be fitted to the external walls to the side or rear. The next door property is not affected or disturbed in any way. Noise from the extraction systems will be kept to a minimum and will not be audible to nearby residential properties when the extraction systems are in operation. The fan will be placed next to the canopy extraction system to ensure maximum quantity of fumes and smell is filtered out which will help manage odour in the kitchen. The ducting is directly connected the fan but will be placed outside the premises, opposite the fan which is inside. The ducting is directly straight in shape so the odour from the kitchen that will be filtered out is directly going up, on top of the property, above the gutter. The ducting will be outside of the property where it is detached and there are no nearby residential properties that will be affected or disturbed as a result. Circular ducting will be used as it maximises the flow rate.

There will be easy access to all parts of the system to ensure regular cleaning of the systems and filters and ensure they are maintained.

There will be a commercial bin placed at the back side of the property to ensure there is no litter, all waste from the takeaway will be placed in that bin.

The upper floors will be residential.